

Title (en)

BUILD MATERIAL EXTRACTION USING VIBRATION AND AIRFLOW

Title (de)

BAUMATERIALEXTRAKTION UNTER VERWENDUNG VON SCHWINGUNGEN UND LUFTSTRÖMUNG

Title (fr)

EXTRACTION DE MATÉRIAU DE CONSTRUCTION À L'AIDE DE VIBRATIONS ET D'UN FLUX D'AIR

Publication

**EP 3609682 A1 20200219 (EN)**

Application

**EP 17917914 A 20170719**

Priority

US 2017042719 W 20170719

Abstract (en)

[origin: WO2019017925A1] In one example in accordance with the present disclosure, an additive manufacturing platform is described. The additive manufacturing platform includes a vibrating bed on which a volume of build material is to be disposed. The bed is to vibrate to remove excess build material and operates in at least two extraction modes during a build material extraction period. The additive manufacturing platform also includes a non-vibrating frame to support the vibrating bed.

IPC 8 full level

**B29C 64/30** (2017.01); **B33Y 30/00** (2015.01)

CPC (source: EP US)

**B08B 7/02** (2013.01 - EP); **B22F 10/28** (2021.01 - EP US); **B22F 10/73** (2021.01 - EP US); **B22F 12/30** (2021.01 - EP US); **B29C 64/165** (2017.07 - EP US); **B29C 64/209** (2017.07 - US); **B29C 64/245** (2017.07 - EP US); **B29C 64/35** (2017.07 - EP US); **B29C 64/357** (2017.07 - EP); **B29C 64/393** (2017.07 - US); **B33Y 10/00** (2014.12 - EP); **B33Y 30/00** (2014.12 - EP US); **B33Y 40/00** (2014.12 - US); **B33Y 40/20** (2020.01 - EP); **B33Y 50/02** (2014.12 - US); **B08B 5/04** (2013.01 - US); **B08B 7/02** (2013.01 - US); **B22F 12/42** (2021.01 - EP US); **B22F 12/53** (2021.01 - EP US); **B22F 2999/00** (2013.01 - EP); **B29C 64/357** (2017.07 - US); **Y02P 10/25** (2015.11 - EP)

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Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

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DOCDB simple family (application)

**US 2017042719 W 20170719**; CN 201780092058 A 20170719; EP 17917914 A 20170719; US 201716075625 A 20170719